CYFAR 101: TECHNOLOGY UTILIZATION AND INTEGRATION

July, 2010
Trudy Dunham, CYFERnet Technology

Not-So-Geek Speak

- 3G, 4G
- App
- Augmented Reality
- Blackberry Jam
- Citizen Journalism
- Clickers
- Cloud computing
- Creative Commons
- Crowd sourcing
- Dashboard
- Designated Texter
- Disruptive innovation
- Kthxbi
- The Long Tail
- Lurker
- OpenID
- Produser
- Textrovert
- Unfriended
- Wisdom of the Crowd

THIS PRESENTATION IS ONLINE!

June version:
http://www1.cyfernet.org/tech/cyfar101.ppt

July version:
http://www1.cyfernet.org/tech/cyfar101-2.ppt

Today's Agenda

- Basic Concepts: Core things to think about and remember.
- Overview: Main Areas to Consider and Include in Your Tech Plan:
- Try Some Tools You Can Use: (Think function, because the tools change almost daily!)

Basic Concepts

- Focus on concept & function
- Focus on the benefits to your program
- Work within the context of your institution
- Constant change, converging, becoming smart
- Technology is core to 21st century life, use it to:
  - Engage, motivate
  - Build learning and workforce skills
- Recognize the regional & cultural differences
- Share (and implement) your Utilization Plan

Technology: Utilize and Integrate!

Integrate Technology, Part 1

- What is your mission? Why do you exist?
- What is the Program Focus: Guiding Principles, content model or cluster, life skills
- Sketch your scenario, case study (practical):
  - What is needed
  - What works
  - What is innovative
- Consider how Technology use could be embedded in all of these

Integrate Technology, Part 2

- What are your Project logistics? Your Program structure and delivery?
  - Number of sites, distance between them
  - Assess Participant demographics
  - Assess Community technology infrastructure
- Think about & specify who will do what by when
- Define Roles:
  - State Tech Utilization Liaison
  - Community Tech Utilization Contact
- Then create the Technology Utilization Plan

CYFERnet Links To Tech Plan

- Technology Liaison Roles and responsibilities
  - http://www1.cyfernet.org/tech/plan/techcontact.html
- Guidelines for Technology Utilization Plan
  - http://www1.cyfernet.org/tech/plan/utilplan.html

Integrate Technology, Part 3

- Build it into your Logic Model
  - Identified Needs & Assets: the Situation
  - Resources Available: the Inputs
  - Activities: the Outputs (by participant)
  - Desired Results: the Outcomes
- Consider how to use Technology as a **tool, resource, and strategy to make your program more effective and engaging, your staff more productive**

Technology Guiding Principle

A CYFAR program has **adequate information and communication technology infrastructure**, and it **models effective and innovative applications** for **professional development, educational programming, online collaboration, and scholarship**.

Overview: Main Plan Components

- Infrastructure
- Program Planning & Development
- Project Management
- Outreach, Marketing & Communication
- Collaboration & Networking
- Educational Programming
- Professional Development
- Scholarship

Think Mobile

- Increasingly moving toward that device that is in your pocket
- 24/7 availability, or at least a lowering of the lines dividing work and life
- Look for mTask to replace eTask

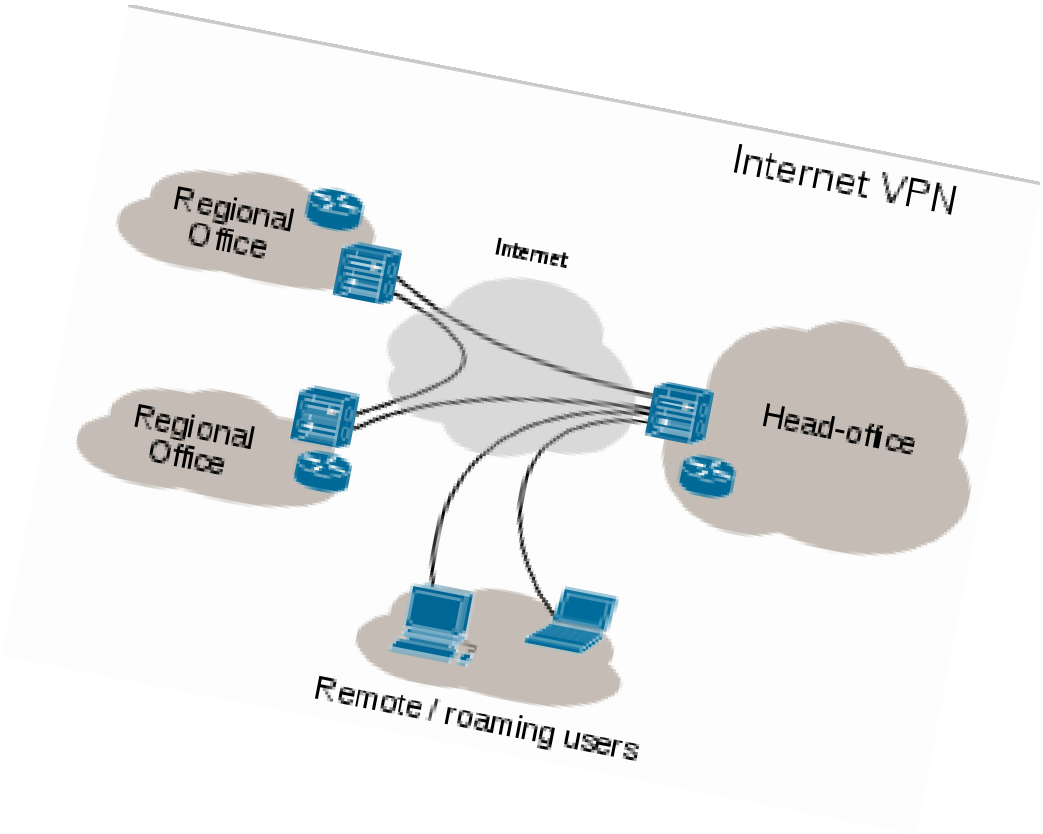
Think Multimedia

- Simpler to use
- Less expensive
- Multi-functional
- Better batteries
- Key for engaging participants of all ages

www.theflip.com

Think Security and Privacy

- VPN (Virtual Private Network)
- Read and understand privacy and use policies



JOHNSON'S RULE OF TECHNOLOGY IMPLEMENTATION:

WHAT TECHNOLOGY FIRST MAKES POSSIBLE, IT SOON MAKES IMPERATIVE.

Infrastructure

- Hardware:
  - Desk top & mobile
  - Individual & group use
  - Peripherals (printers, GPS, video, etc.)
- Networking / Internet access
  - Broadband
  - Mobile
- Technical assistance, training and support
- Software – for office work, communication & learning, programming and more

Program Planning & Development

- Search for program ideas and grant opportunities
- Search for evidence-based strategies, promising practices
- Brainstorming, concept mapping
- Collaborative writing
- Online community

- TOOLS:
  - Google Scholar
  - CYFAR Reporting database
  - Social bookmarking
  - VUE, Dabbleboard
  - Wiki, Google Docs
  - Wiggio

Project / Program Management

- Plan, organize and manage resources
- Track goals
- Deal with Project scope, budget, time
- Share to-do and have-done lists
- Staff meetings

- Tools:
  - Basecamp
  - collabtiv
  - Faces
  - Doodle
  - Connect
  - DimDim
  - SKYPE
  - Whiteboards
  - Wiggio

Outreach, Market & Communicate

- Interact with your
  - Community
  - Participants
  - Potential Partners, Funders, Supporters
- Website AND Social Media

- TOOLS
  - Your institution's website, team, policy
  - Twitter
  - Facebook
  - Slide Show
  - Video
  - Photo Gallery
  - Blog

Doing Outreach with SM

- More about sociology than technology: its about conversation, dialogue
- The best communication starts with good listening skills & respect
- Opening up, loss of control, dynamic
- Need to get to personal, trust,
- Participatory, constancy, creative
- Go where your audience already is
- 24/7

Collaboration & Networking

- Communication – sharing and discussion
- Develop products as team
- Find collaborators
- Store and showcase your stuff
- Version control

- Tools –
  - Wikis, Google docs
  - Discussion Forums
  - SMS, texting
  - Listservs
  - CYFAR professionals database
  - Online communities like Wiggio

Educational Programming

- Attract, intrinsic motivation, engagement
- All ages
- Integrate into program aspects
- Learning platform to build knowledge & skills
- Literacy skills and awareness essential to 21st century life
- Methods/tools – Varied! Lots!
- Tie technology into your logic model components and show its impact on participants

- Robotics
- GIS / GPS
- Video
- Photography,
- Audio & Music
- Computer & online Games
- Computer Programming
- Exergames
- Authentic activities

Professional Development

- Learn about new research and models
- Learn about tools and measures
- Access conferences virtually
- Read reports and articles
- Exchange and build on ideas

- TOOLS
  - Moodle
  - Connect
  - University online journals & classes
  - Online books (Google)
  - Blogs & RSS feeds
  - Online Communities
  - Podcasts
  - CYFERnet, eXtension, etc.

Scholarship

- Evaluation
- Research
- Teaching
- Course / program development
- Scholarly writing
- Scholarly dialogue and discussion
- Publishing

- TOOLS:
  - Data collection
  - Writing & critique aids
  - Learning objects, course management
  - Blogs, forums, online communities
  - Online journals, your own website, CYFERnet

JOHNSON'S FIRST SIGN OF TECHNOLOGY LITERACY: KNOWING WHEN TO USE TECHNOLOGY AND WHEN NOT TO USE TECHNOLOGY.

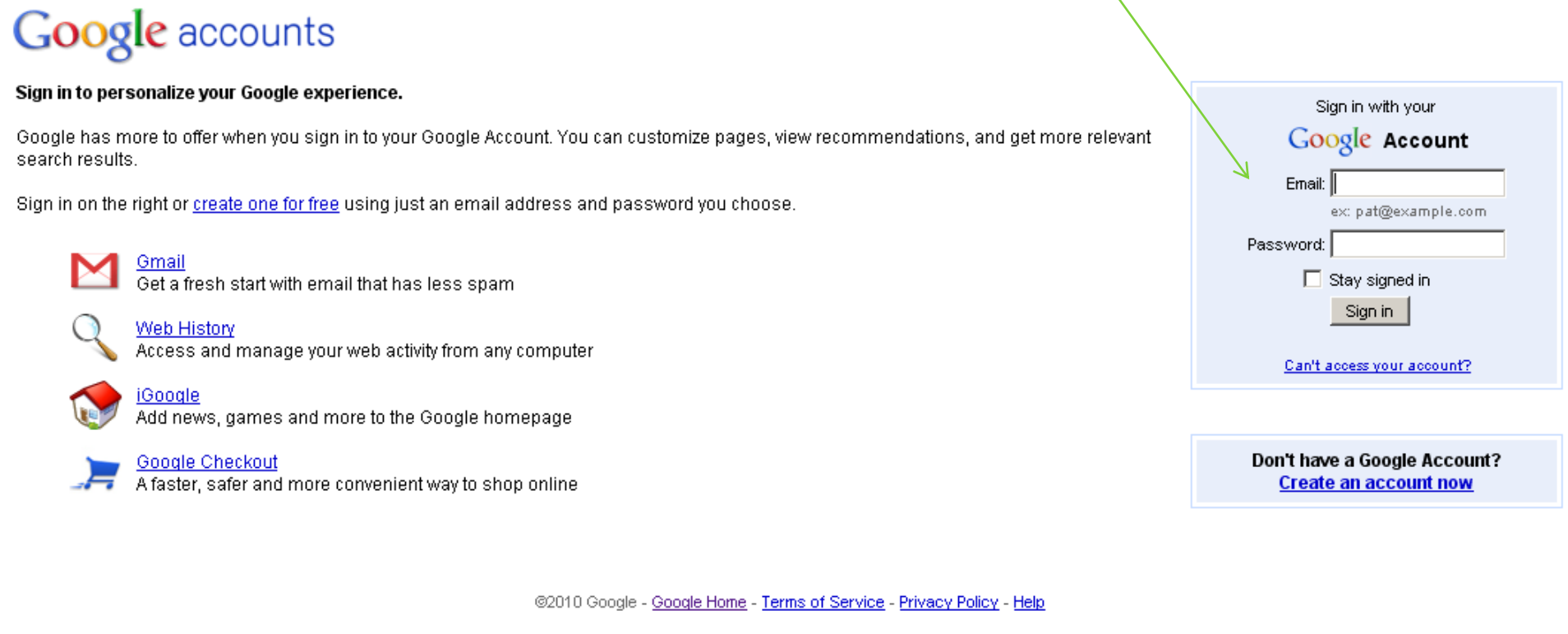
LET'S TRY SOME TOOLS !

Good Passwords

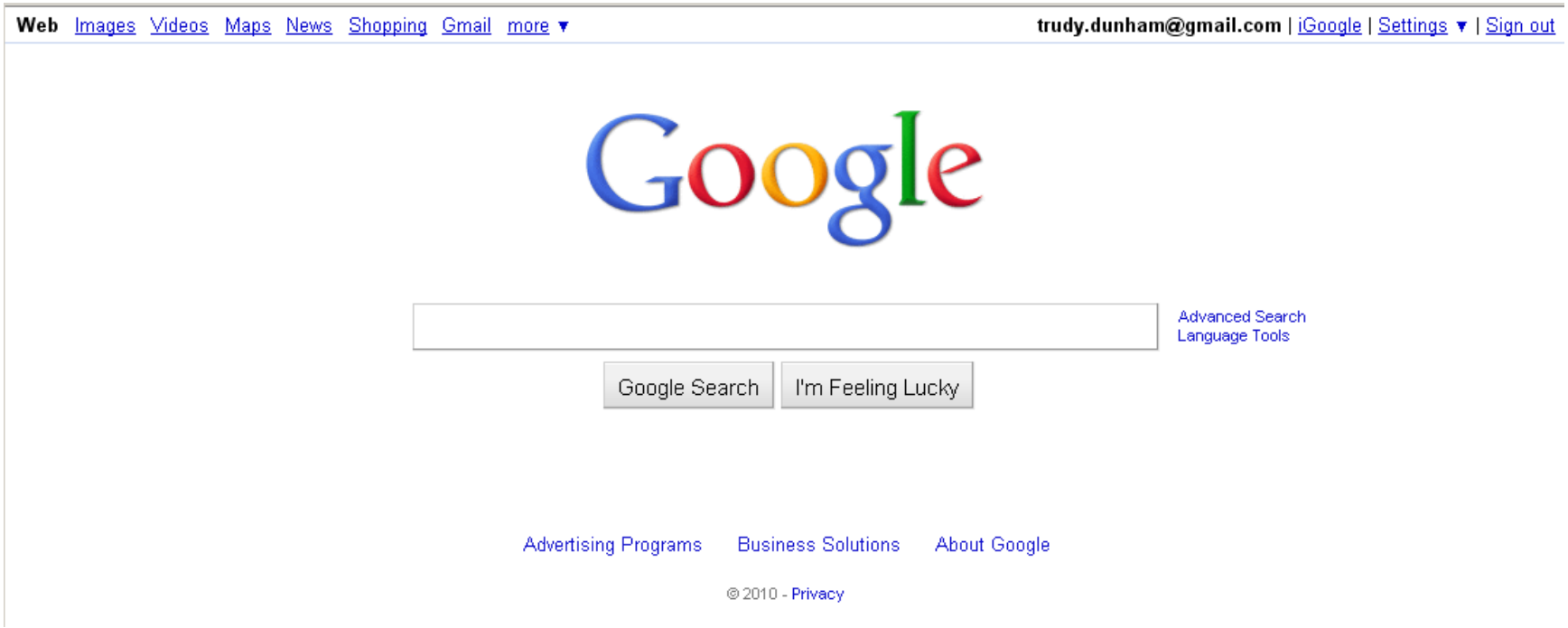
- Long (8 characters)
- Not something that is a common part of your life (child or pet name, birthdate, etc.)
- Mix of letters, numbers and case
- Something you can easily remember

GMAIL Account Login

- Use our test accounts (cyfar.xxxxx) !



Enter GMAIL


Web Images Videos Maps News Shopping Gmail more ▼
trudy.dunham@gmail.com | iGoogle | Settings ▼ | Sign out
Google
Advanced Search
Language Tools
Google Search
I'm Feeling Lucky
Advertising Programs
Business Solutions
About Google
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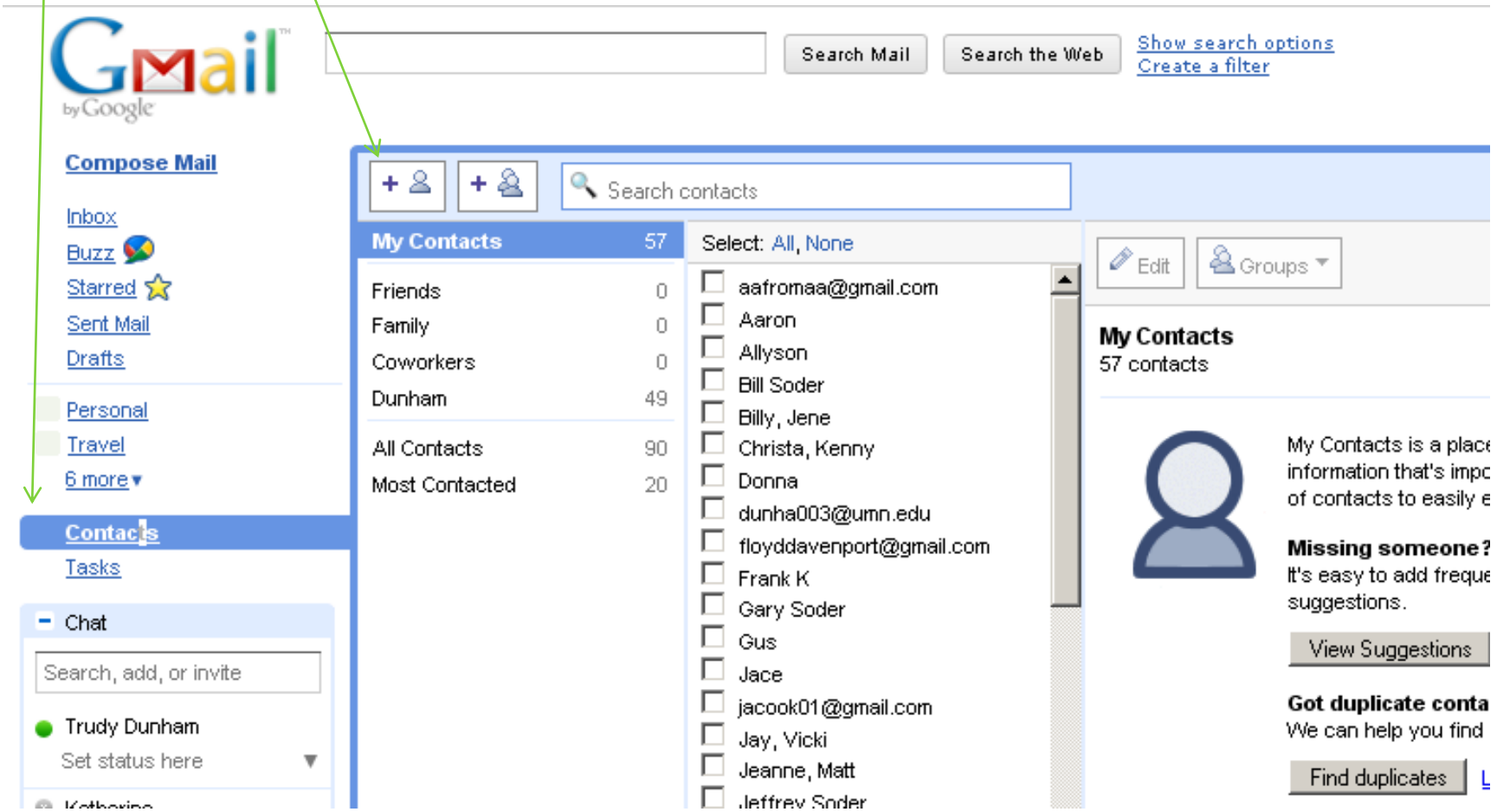
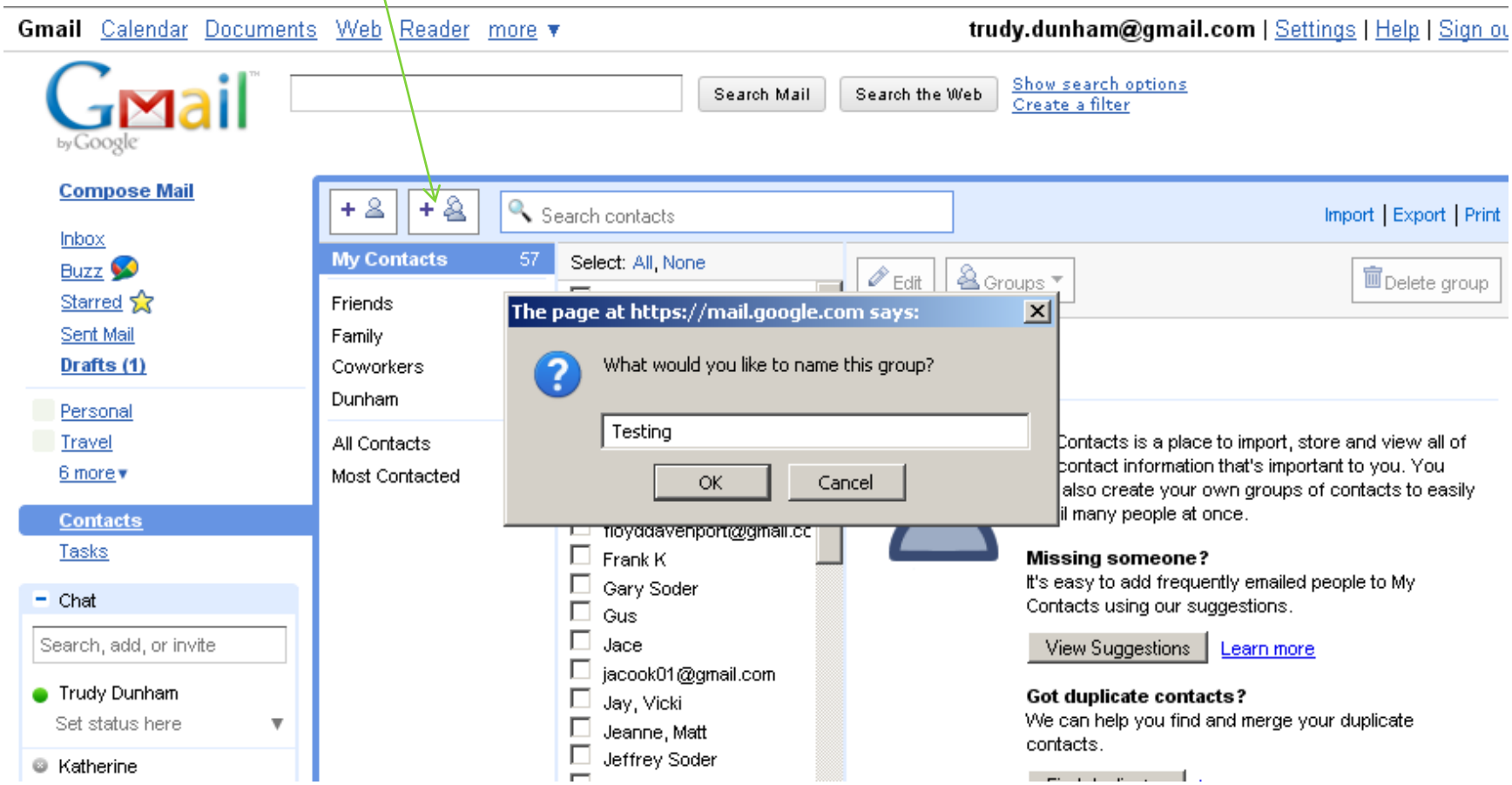
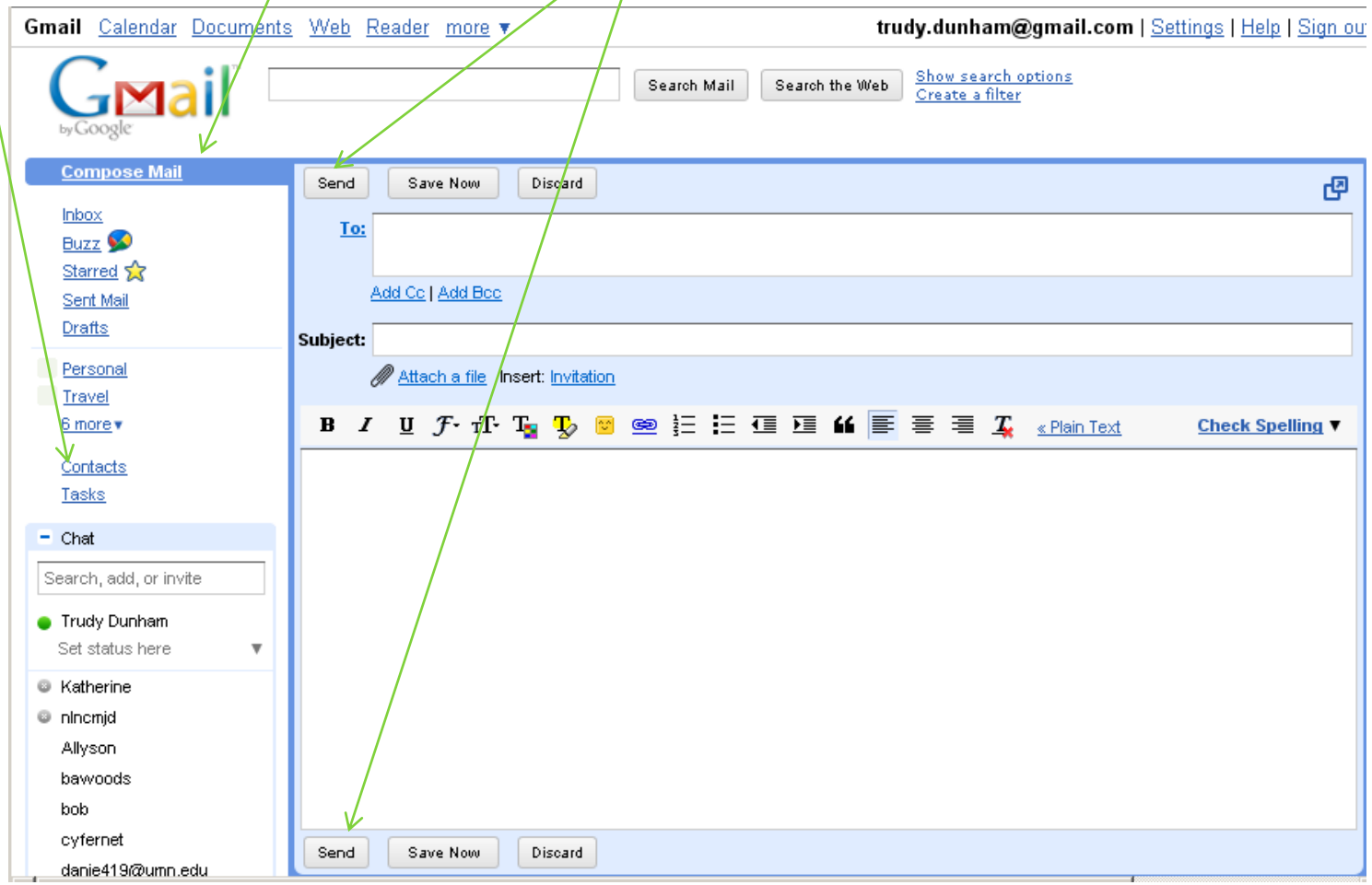
Add a Contact



Add a Group

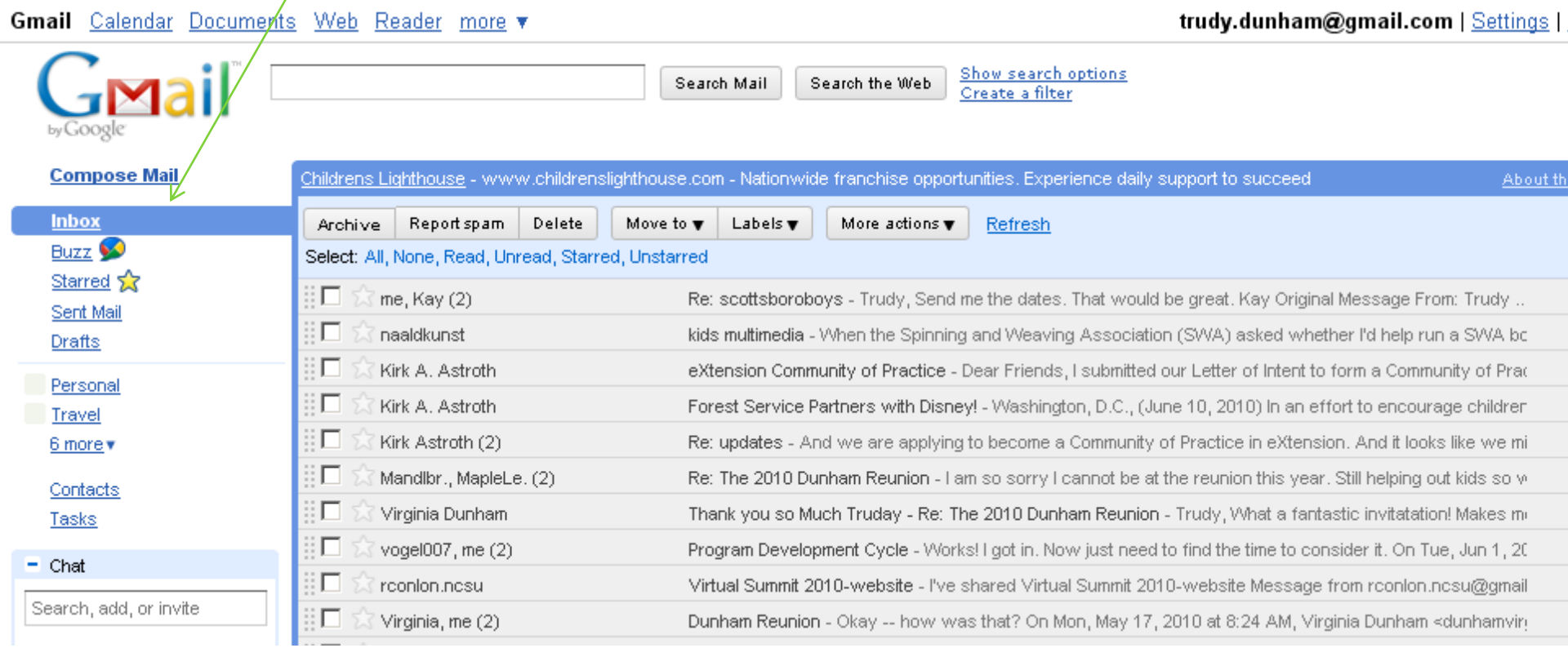

Gmail Calendar Documents Web Reader more ▼
trudy.dunham@gmail.com | Settings | Help | Sign ou
Search Mail
Search the Web
Show search options
Create a filter
Compose Mail
Inbox
Buzz
Starred
Sent Mail
Drafts (1)
Personal
Travel
6 more ▼
Contacts
Tasks
Chat
Search, add, or invite
Trudy Dunham
Set status here
Katherine
Search contacts
Import | Export | Print
My Contacts 57
Select: All, None
Edit
Groups
Delete group
Friends
Family
Coworkers
Dunham
All Contacts
Most Contacted
The page at https://mail.google.com says:
What would you like to name this group?
Testing
OK
Cancel
Frank K
Gary Soder
Gus
Jace
jacook01@gmail.com
Jay, Vicki
Jeanne, Matt
Jeffrey Soder
Contacts is a place to import, store and view all of
contact information that's important to you. You
also create your own groups of contacts to easily
il many people at once.
Missing someone?
It's easy to add frequently emailed people to My
Contacts using our suggestions.
View Suggestions
Learn more
Got duplicate contacts?
We can help you find and merge your duplicate
contacts.

Send Gmail to CYFAR.xx & reply



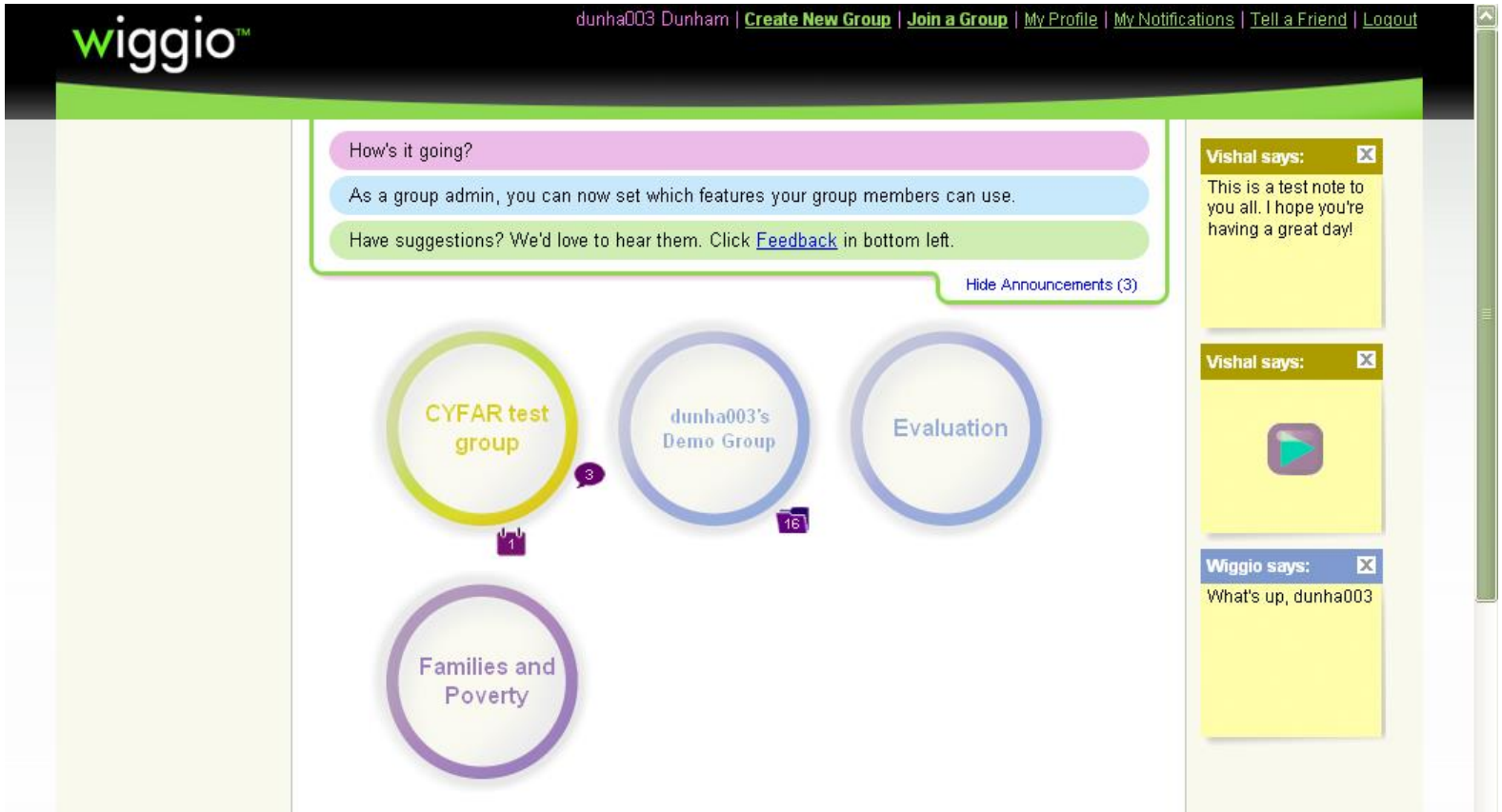
Check Your Mail

- (Find invitation to join Wiggio group)

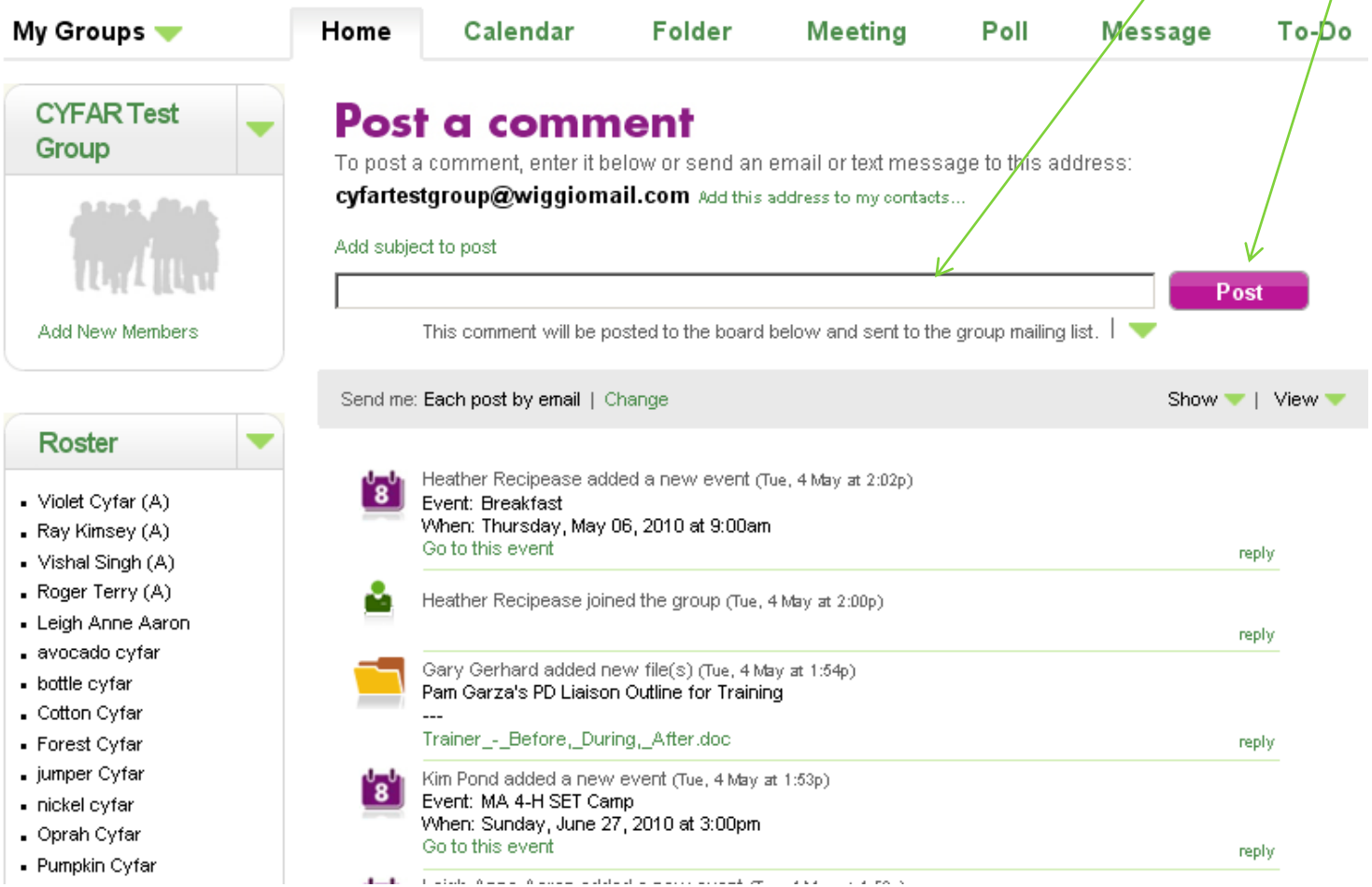


Join Wiggio (multipurpose group work)

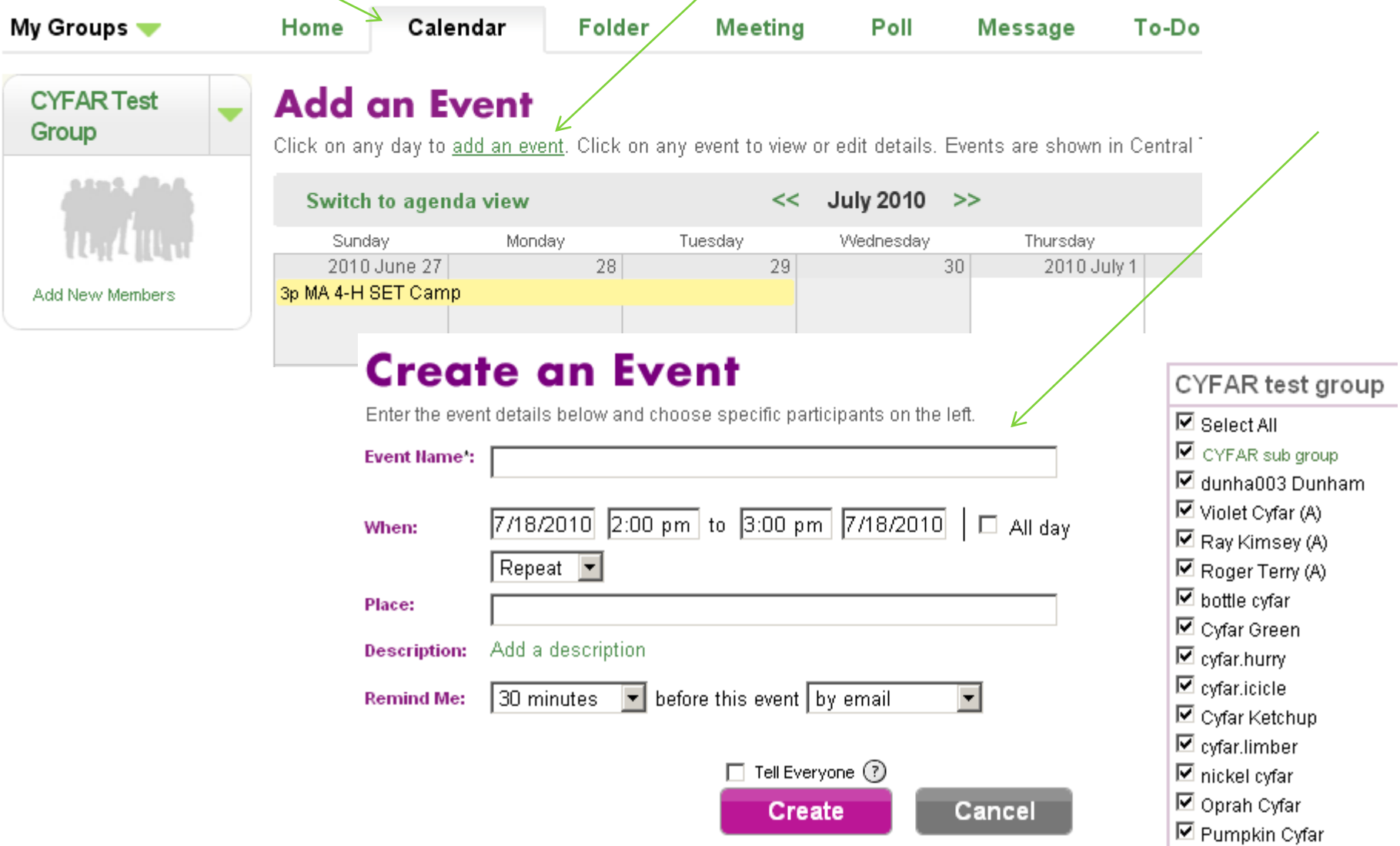
- Accept invitation to join the Wiggio group
- Enter Wiggio site



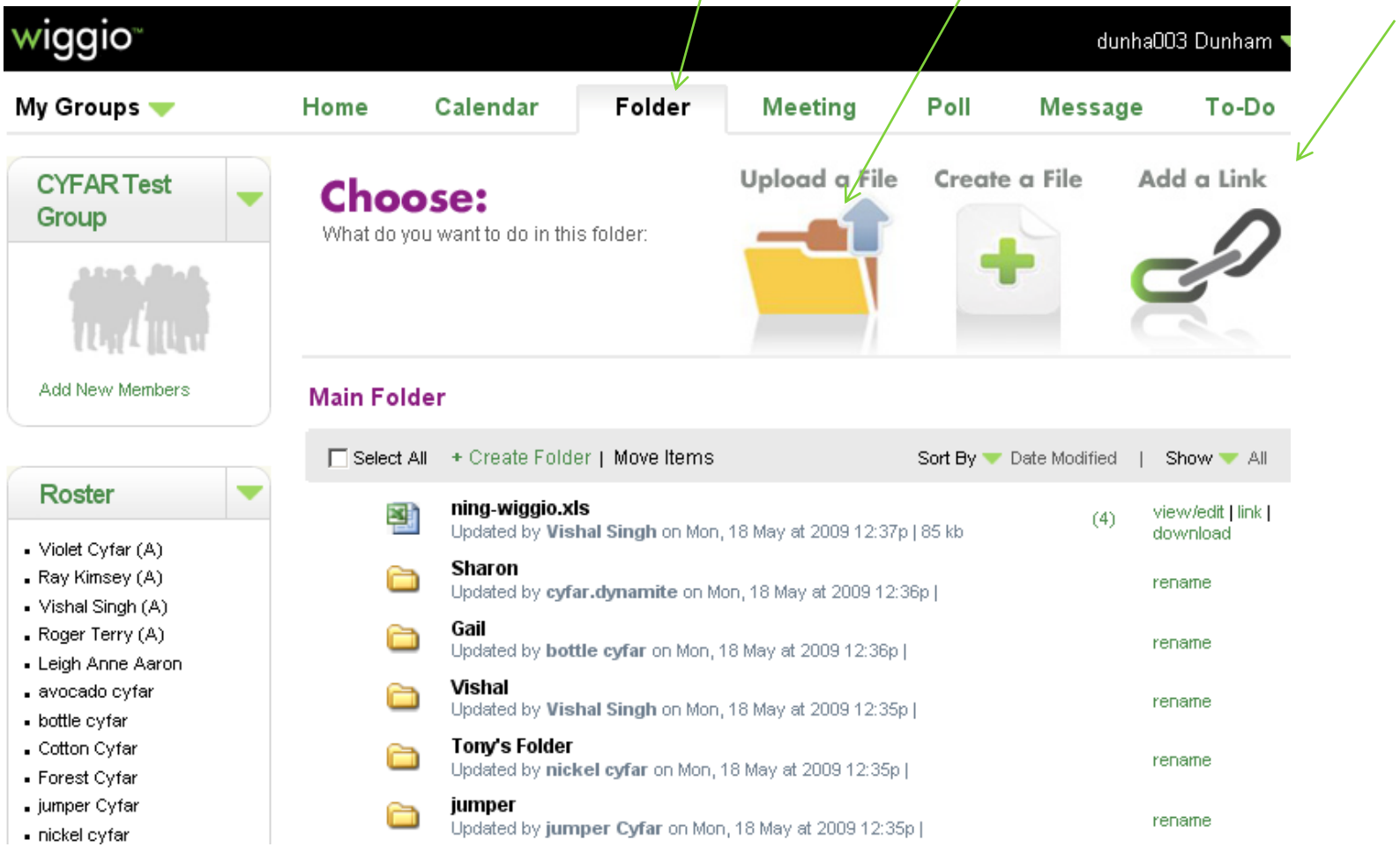
Post a comment to Wiggio group



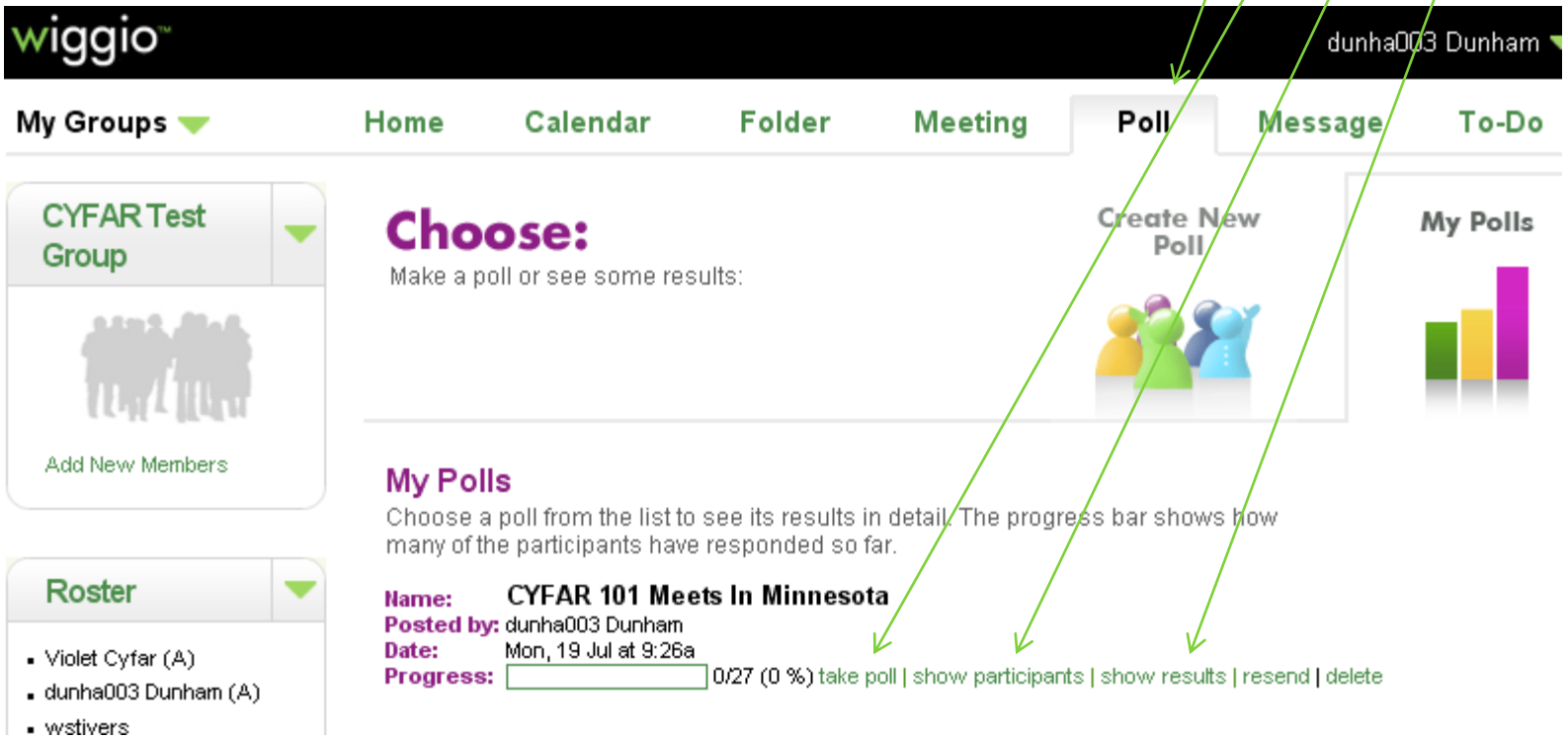
Create a Calendar Event



Upload or create a file, add a link

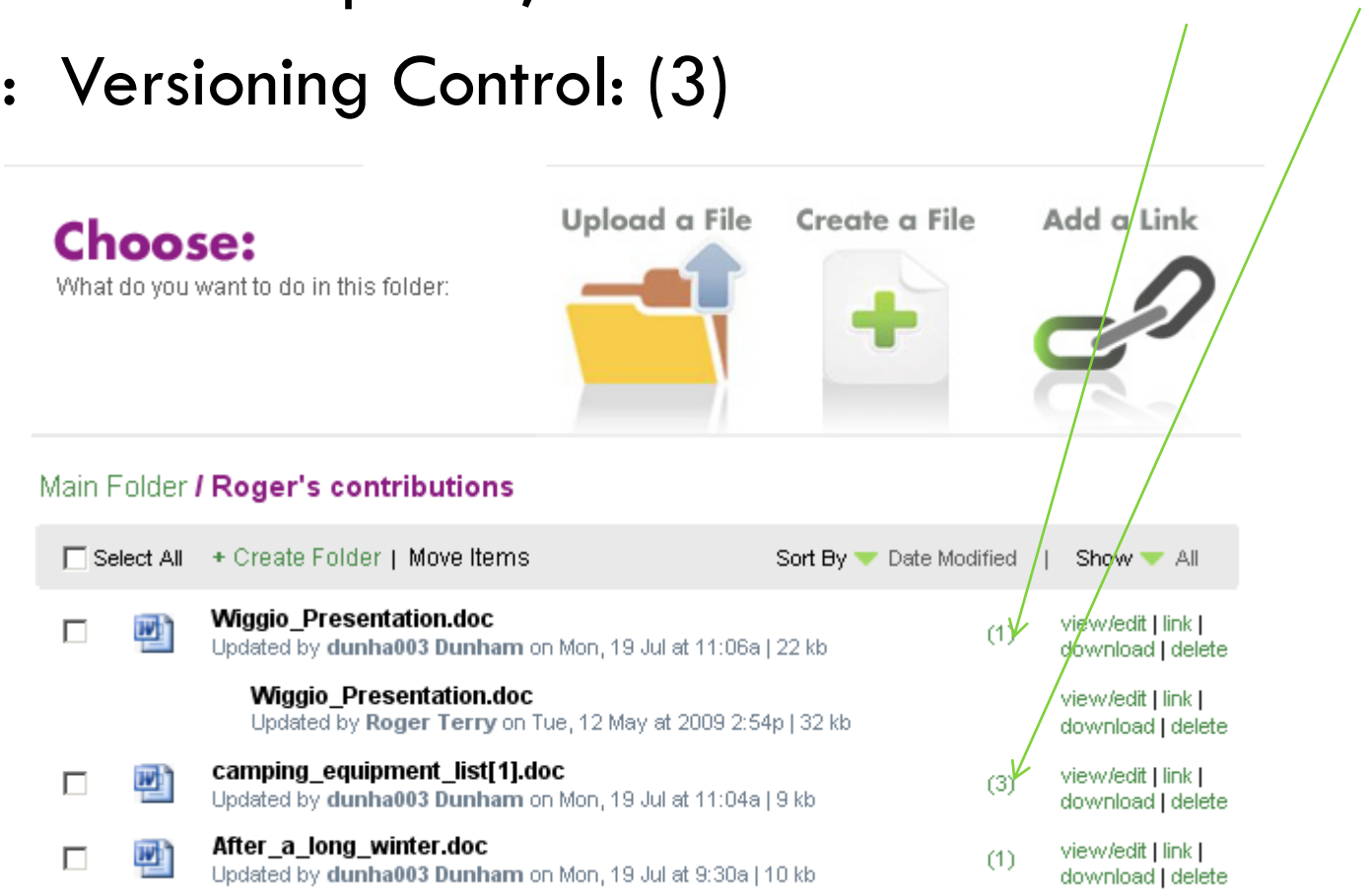


Take a Poll / Create a Poll

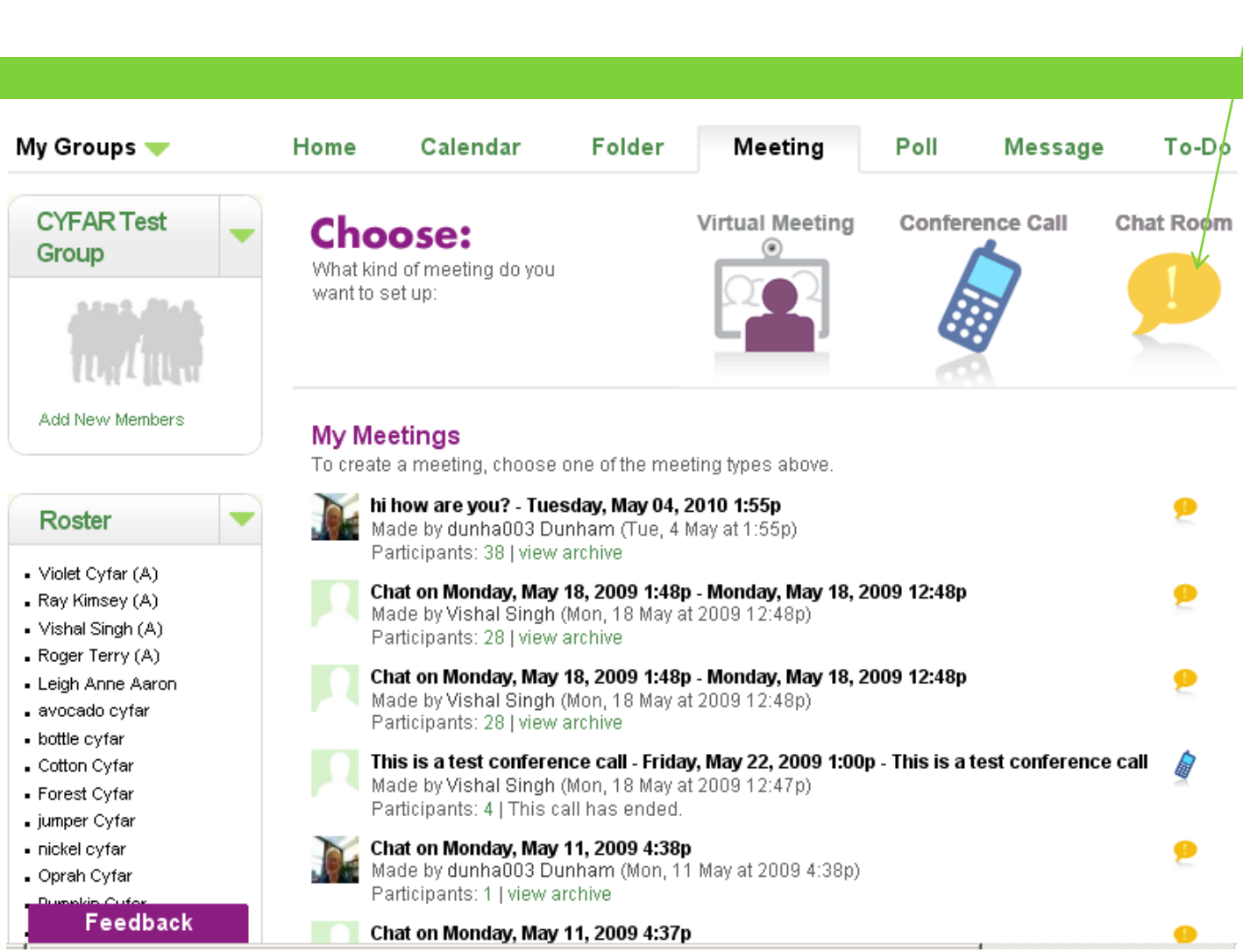


Edit a Document / Create a Folder

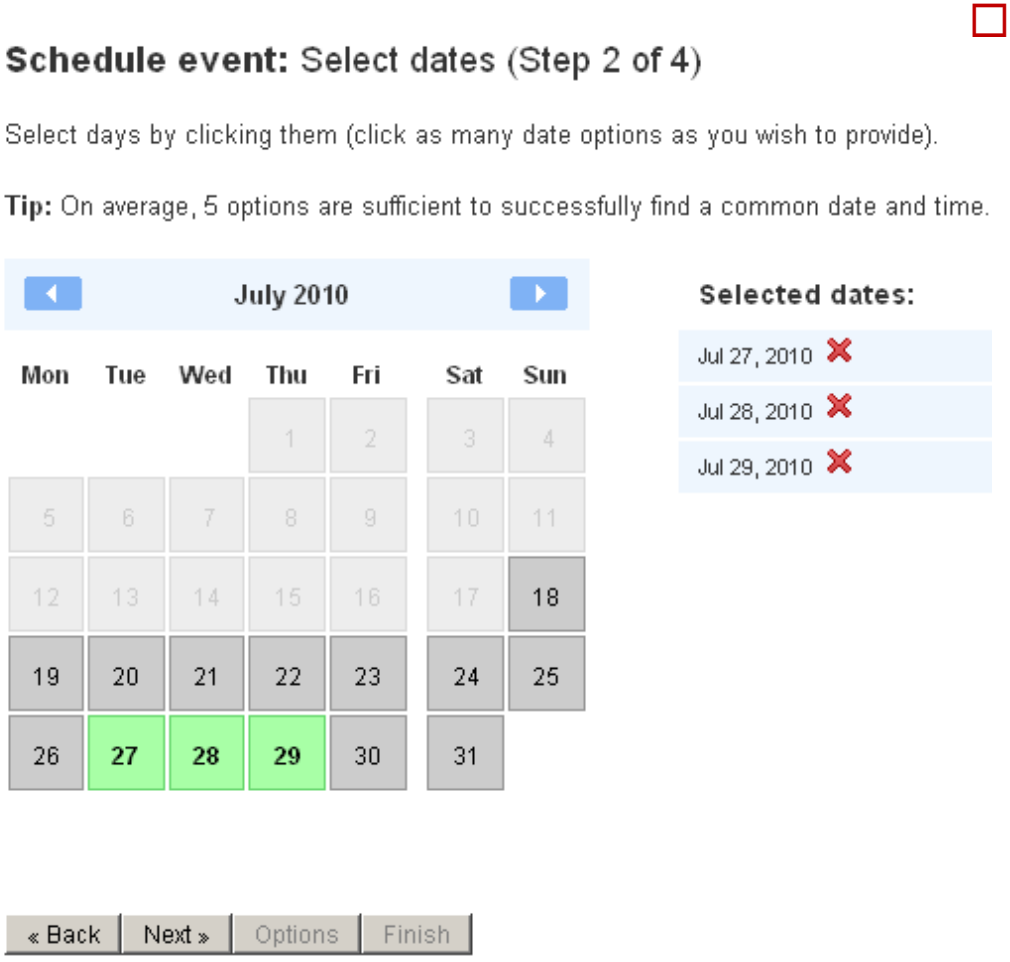
- In Folders: can upload, create or link
- Note: Versioning Control: (3)



Let's Meet in the Chat Room

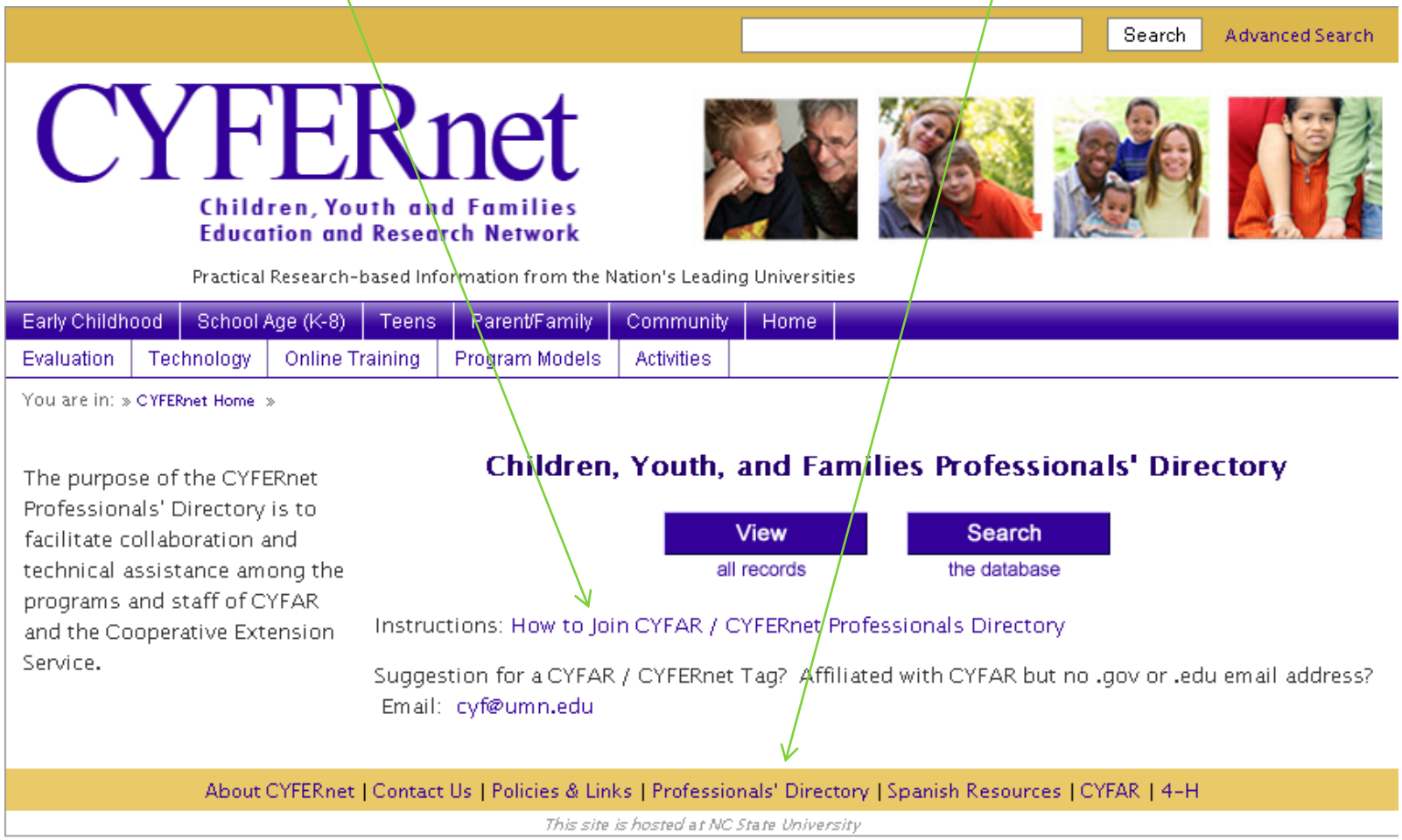


Plan a Meeting – Doodle.com

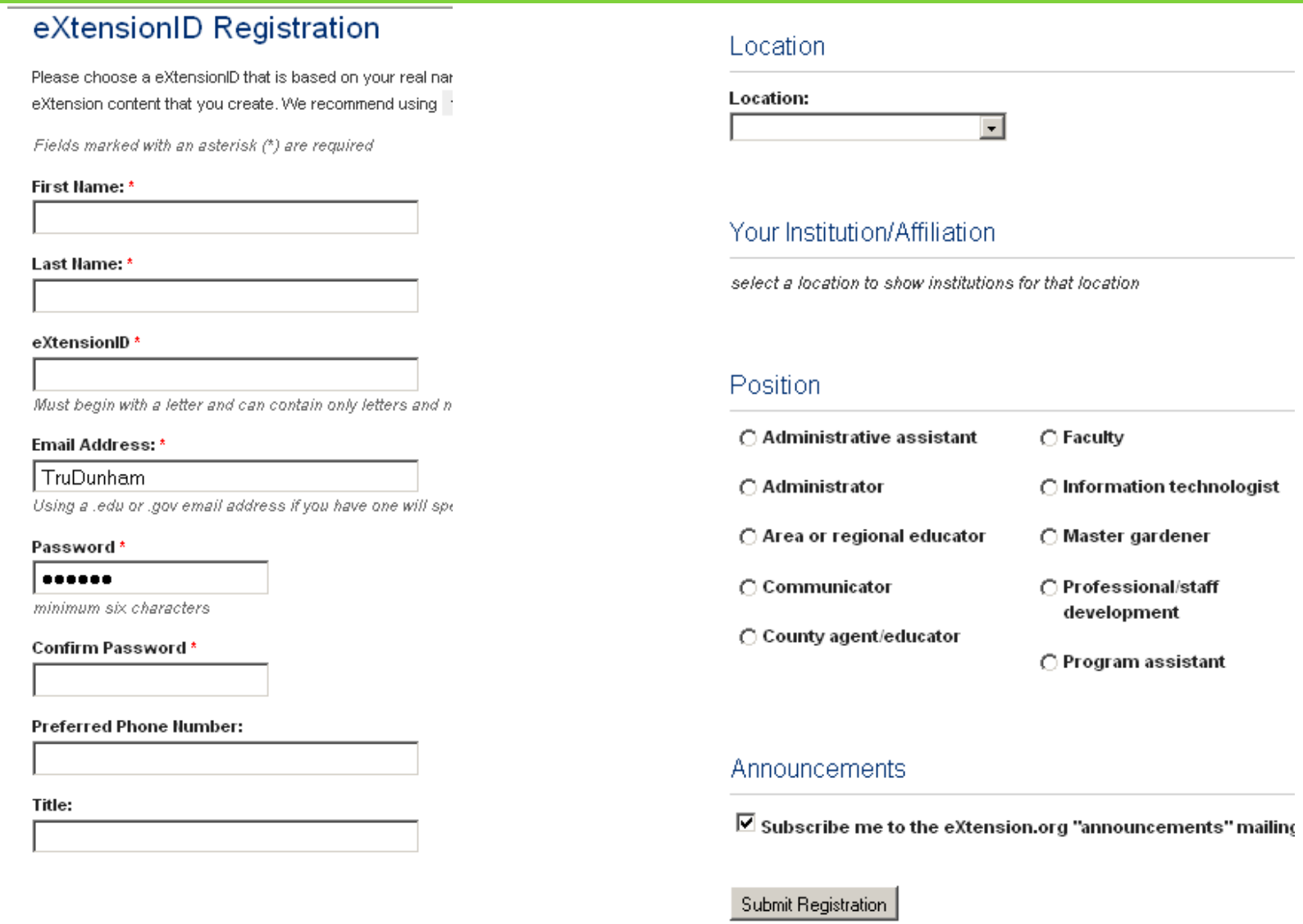


- Respond to the email asking you to indicate your availability

Join CYFAR Professionals' Directory



Get eXtension ID



eXtensionID Registration

Please choose a eXtensionID that is based on your real nar
eXtension content that you create. We recommend using

Fields marked with an asterisk (*) are required

First Name: *

Last Name: *

eXtensionID *

Must begin with a letter and can contain only letters and n

Email Address: *

TruDunham

Using a .edu or .gov email address if you have one will spe

Password *

••••••

minimum six characters

Confirm Password *

Preferred Phone Number:

Title:

Location

Location:

Your Institution/Affiliation

select a location to show institutions for that location

Position

- ○ Administrative assistant
- ○ Administrator
- ○ Area or regional educator
- ○ Communicator
- ○ County agent/educator
- ○ Faculty
- ○ Information technologist
- ○ Master gardener
- ○ Professional/staff development
- ○ Program assistant

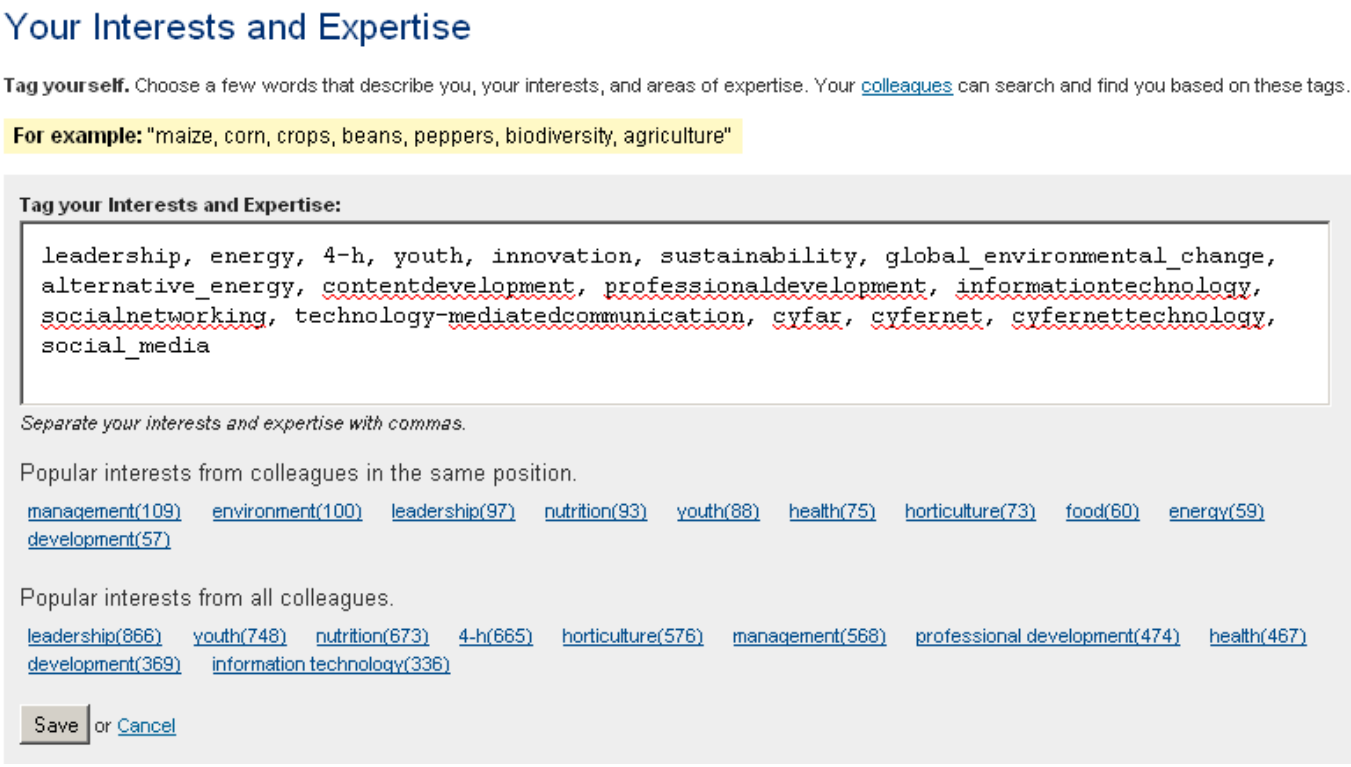
Announcements

☑ Subscribe me to the eXtension.org "announcements" mailing

Submit Registration

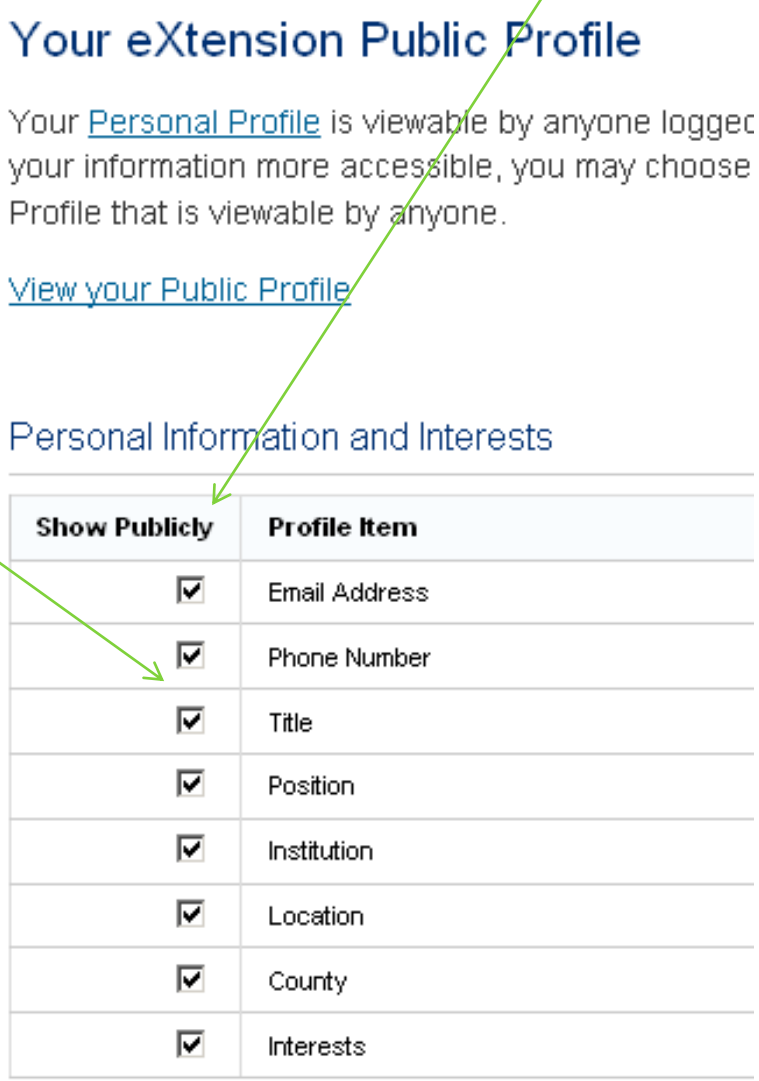
Create Your Profile

- Add the CYFAR Interest tags!
- Remember spelling is vitally important!
- Make it public



Set Your Public Profile Settings

- Click on the "Show Publicly" boxes for what you want to share
- Don't forget to share your social media ID's



Confirm you show up!

Search Advanced S

CYFERnet

Children, Youth and Families Education and Research Network

Practical Research-based Information from the Nation's Leading Universities

Early Childhood | School Age (K-8) | Teens | Parent/Family | Community | Home

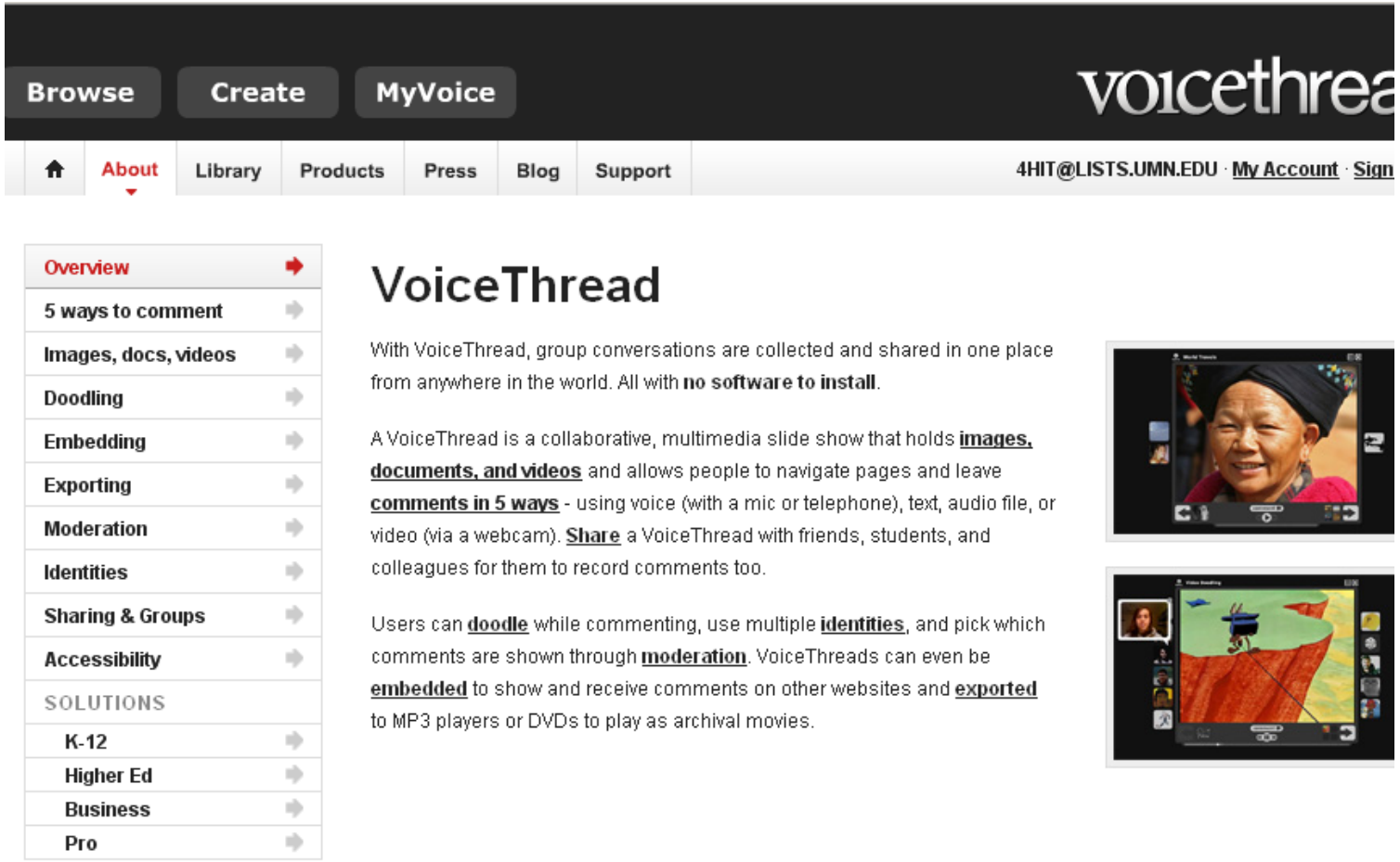
Evaluation | Technology | Online Training | Program Models | Activities

You are in: » CYFERnet Home » Professional Directory

Children, Youth, and Families Professionals' Directory

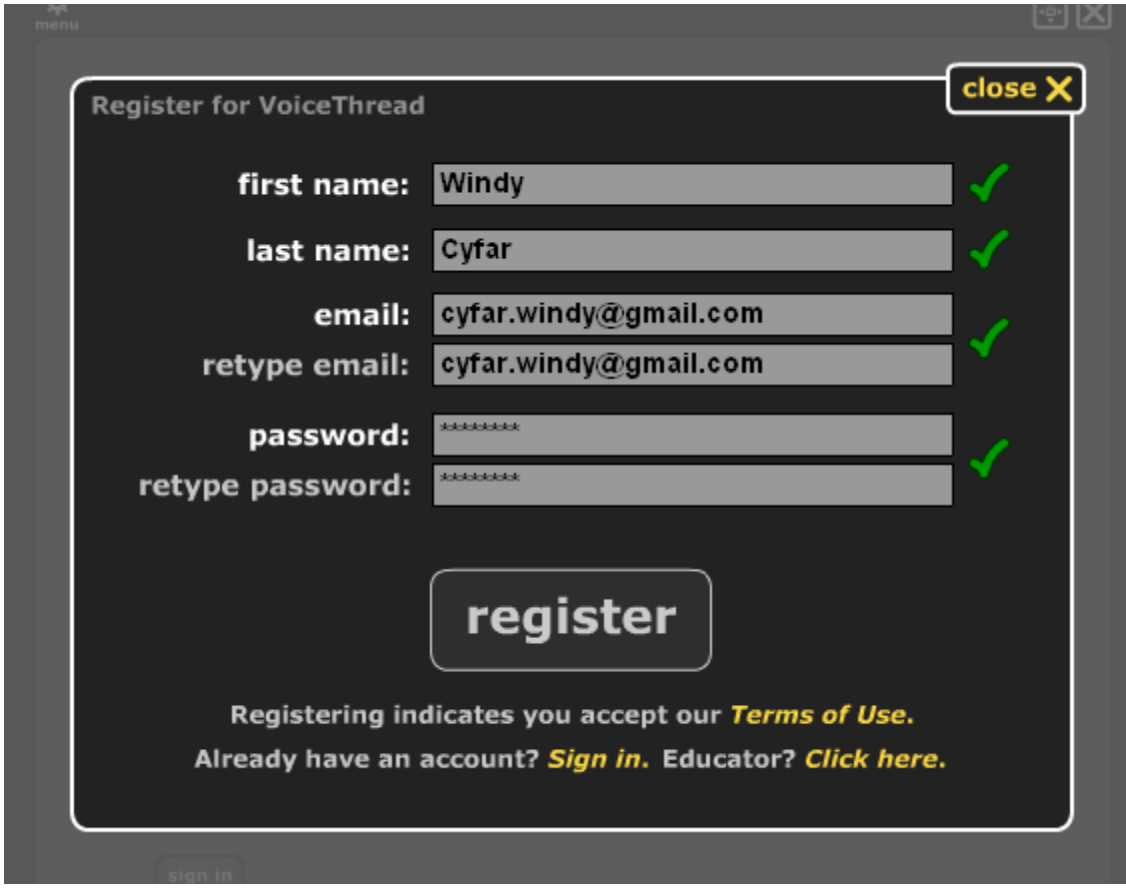
Name	Institution	Title
Aaron, Leigh Anne	University Of Georgia	County Extension Agent – CYFAR
Barnett, Cynthia		4-H Youth Development Advisor
Beyer, Janet	University Of Minnesota	Retired Program Leader – Youth Development
Black, Lynette	Oregon State University	4-H Youth Development Faculty
Brandon, Denise	University Of Tennessee	Professor And Extension Specialist
Butzine, Sarah	Washington State University	Youth Development Faculty
Carpenter, Evan		Extension Associate
Carroll, Jan	Colorado State University	CSU Extension
Dansby, Montreka	North Carolina A & T State University	Food And Nutrition Specialist

Voicethread –



Voicethread

- check email for link
- Click on link
- Register
- Say ‘later’



VoiceThread

- Comment: write a caption for the photo
- Media options include video, chat, phone, etc.
- Use the text chat

In Summary, Technology

- Tech will evolve
- Profoundly affects the way we work
- A means for empowering people
- Think differently about how we work
- Be productive in ways that facilitate our survival, more effective work
- What works for you -- no one right way to do it
- Don't allow tech & change to stress you
- Tech is your tool – you're not its tool!
- Use the participatory nature of media to share the burden

JOHNSON'S RULE OF RESTRUCTURING EDUCATION WITH TECHNOLOGY:

MACHINES ARE THE EASY PART; PEOPLE ARE THE HARD PART.

QUESTIONS? Email cyf@umn.edu

HTTP://WWW1.CYFERNET.ORG/TECH/CYFAR101-2.PPT

CYF@UMN.EDU